

ABSTRACT OF THE DISCLOSURE

A method for adjusting characteristics of an electron source having a plurality of electron-emitting devices, and a method for manufacturing the 5 electron source include the step of applying a pulse of a voltage for adjustment to an electron-emitting device to be adjusted one or more times according to a characteristic of the electron-emitting device, wherein the voltage for adjustment is selected from a 10 plurality of voltages having discrete values according to the characteristic of the electron-emitting device, and a number of applying times of the pulse is determined according to the characteristic of the electron-emitting device and 15 the selected voltage.